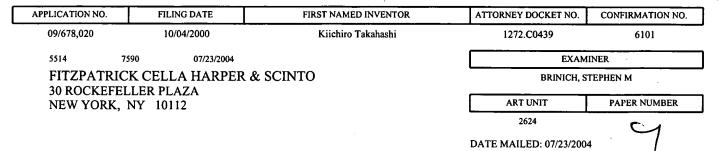


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APPLICATION NO./
CONTROL NO.

FILING DATE
FIRST NAMED INVENTOR /
PATENT IN REEXAMINATION

ATTORNEY DOCKET NO.

EXAMINER

ART UNIT PAPER

7

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

•			_		
		Application	on No.	Applicant(s)	
		09/678,02	20	TAKAHASHI ET AL.	
	Office Action Summary	Examiner		Art Unit	
		Stephen N	1 Brinich	2624	•
Period fo	The MAILING DATE of this communica or Reply	tion appears on the	cover sheet with the o	orrespondence address	5
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nasions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) do period for reply is specified above, the maximum statute re to reply within the set or extended period for reply will, reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no ever cation. ays, a reply within the statury period will apply and with the statury by statute, cause the app	ent, however, may a reply be tin story minimum of thirty (30) day Il expire SIX (6) MONTHS from ication to become ABANDONE	nely filed s will be considered timely. the mailing date of this commun (D) (35 U.S.C. § 133).	nication.
Status					
1)⊠	Responsive to communication(s) filed of	on <i>17 June <u>2004</u>.</i>			
2a) <u></u>	This action is FINAL . 2b) This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposit	ion of Claims				
5)□ 6)⊠ 7)□	Claim(s) 1-22 is/are pending in the application. 4a) Of the above claim(s) 2-4,6,13-15 and 17 is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1,5,7-12,16 and 18-22 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.				
Applicat	ion Papers				
9)[The specification is objected to by the E	Examiner.			
10)) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.				
	Applicant may not request that any objection				
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to by				
Priority (under 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for	cuments have been cuments have been the priority documents laureau (PCT Rul	n received. n received in Applicati ents have been receive e 17.2(a)).	ion No ed in this National Stag	l e
Attachmen					
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO).Q48\	4) Interview Summary Paper No(s)/Mail D		
3) 🔲 Infor	ce of Draftsperson's Patent Drawing Review (PTO mation Disclosure Statement(s) (PTO-1449 or PT er No(s)/Mail Date			eate Patent Application (PTO-152)	1

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DETAILED ACTION

Election/Restrictions

1. Applicant's election of claims 1, 5, 7-12, 16, & 18-22 in the reply filed on 17 June 2004 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1, 5, 7-12, 16, & 18-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Helterline et al.

Re claims 1 & 12, Helterline et al discloses (Abstract; column 4, line 45 - column 5, line 32) an image processing and printing system in which a plurality of density correction data (contents of look-up table 52) are derived from a judgment of printing conditions (actual print density compared to ideal density of a printout). These data are then retained and used to perform density correction corresponding the result of this judgment, thereby calibrating the printer.

Re claims 5 & 16, the printing calibration regulates the volume of a generated ink drop (column 4, lines 55-63), which

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inherently determines the dot size generated by an ink jet printer.

Re claims 7-8 & 18-19, Helterline et al discloses a plurality of print elements (column 5, lines 33-47), each of which uses the retained calibration data.

Re claims 9-10 & 20-21, Helterline et al discloses (column 1, lines 43-48) an ink jet printing process in which ink is ejected from nozzles using thermal energy.

Re claims 11 & 22, Helterline et al discloses (column 5, lines 15-32) a printing condition judgment by means of a simulation printout (a "calibration run").

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

DeJoseph et al, Ichikawa et al, Ito, and Minckler disclose additional examples of ink jet printer calibration.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 703-306-0377.

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If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 703-308-7452.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9306.

Stephen M Brinich

Examiner

Art Unit 2624

smb

July 19, 2004